

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A cable distribution box, comprising:
 - an authentication device configured to obtain authentication information from an authentication medium;
 - an electronic access control system configured to be operatively connected to an access administration system over at least a portion of a cable network infrastructure, wherein the electronic access control system is configured to grant access to the cable distribution box upon receiving verification of the authentication information, and
 - a lock operatively connected to the electronic access control system, wherein the lock is configured to receive a signal from the electronic access control system to electronically unlock the cable distribution box when access to the cable distribution box is granted,

wherein the authentication device, the electronic access control system, and the lock are configured to be solely powered using current obtained from a coaxial cable line operatively connected to the cable distribution box.
2. (Cancelled)
3. (Currently Amended) The cable distribution box of claim 1, further comprising:
 - a communication device operatively connected to the electronic access control system and configured to provide communication services between the electronic access control system and the access administration system.
4. (Currently Amended) The cable distribution box of claim 3[[1]], wherein the communication device is at least one selected from the group consisting of a communication adapter and a cable modem.

5. (Original) The cable distribution box of claim 1, wherein the access administration system comprises at least one selected from the group consisting of access administration hardware, access administration software, and firmware.
6. (Currently Amended) The cable distribution box of claim 1, wherein the electronic access control system comprises at least one selected from the group consisting of access control software, access control hardware, and firmware.
7. (Original) The cable distribution box of claim 1, wherein the authentication device is a card reader and the authentication medium is an access card.
8. (Original) The cable distribution box of claim 7, wherein the access administration system includes functionality to disable the access card.
9. (Previously Presented) The cable distribution box of claim 1, wherein the access administration system is configured to collect the authentication information.
10. (Previously Presented) The cable distribution box of claim 1, wherein the access administration system is configured to generate a work log from the authentication information and the work log data.
11. (Original) The cable distribution box of claim 10, wherein the access administration system includes functionality to analyze the work log to determine whether a response is required and functionality to send an alert to an appropriate entity if the response is required.
12. (Previously Presented) The cable distribution box of claim 1, wherein the access administration system is configured to verify the authentication information using a request-response authentication method.
13. (Previously Presented) The cable distribution box of claim 1, wherein the access administration system is configured to verify the authentication information using a challenge-response authentication method.

14. (Currently Amended) The cable distribution box of claim 1, wherein communication between the authentication device and the electronic access control system is encrypted.
15. (Currently Amended) The cable distribution box of claim 1, wherein communication between the access administration system and the electronic access control system is encrypted.
16. (Cancelled)
17. (Cancelled)
18. (Currently Amended) The cable distribution box of claim 3, wherein the communication device is configured to be solely powered using current obtained from [[a]] the coaxial cable line operatively connected to the cable distribution box.
19. (Currently Amended) A cable distribution box, comprising:
 - an authentication device configured to obtain authentication information from an authentication medium;
 - a memory operatively connected to the authentication device comprising verification information and work log data;
 - an electronic access control system operatively connected to the authentication device and the memory, wherein the electronic access control system is configured to grant access to the cable distribution box based on the verification information and the authentication information; and
 - a lock operatively connected to the electronic access control system, wherein the lock is configured to receive a signal from the electronic access control system to electronically unlock the cable distribution box when access to the cable distribution box is granted,

wherein the authentication device, the memory, the electronic access control system, and the lock are configured to be solely powered using current obtained from a coaxial cable line operatively connected to the cable distribution box.

20. (Cancelled)
21. (Original) The cable distribution box of claim 19, wherein the authentication device is a card reader and the authentication medium is an access card.
22. (Currently Amended) The cable distribution box of claim 19, wherein the electronic access control system is configured to collect the authentication information.
23. (Currently Amended) The cable distribution box of claim 22, wherein the electronic access control system is configured to generate a work log from the authentication information and the work log data.
24. (Currently Amended) The cable distribution box of claim 23, wherein the electronic access control system includes functionality to analyze the work log to determine whether a response is required and functionality to send an alert to an appropriate entity if the response is required.
25. (Currently Amended) The cable distribution box of claim 19, wherein the electronic access control system is configured to verify the authentication information using a request-response authentication method.
26. (Currently Amended) The cable distribution box of claim 19, wherein the electronic access control system is configured to verify the authentication information using a challenge-response authentication method.
27. (Currently Amended) The cable distribution box of claim 19, wherein communication between the authentication device and the electronic access control system is encrypted.
28. (Cancelled)
29. (Cancelled)

30. (Currently Amended) A method for accessing a cable distribution box, comprising:
obtaining authentication information from an authentication medium;
sending an access request over at least a portion of a cable network infrastructure to an
access administration system using current obtained solely from a coaxial cable line
operatively connected to the cable distribution box, wherein the access request
comprises the authentication information;
verifying the access request by the access administration system;
generating a work log associated with the access request; and
granting access to the cable distribution box when the access request is verified,
wherein granting access to the cable distribution box comprises electronically unlocking the
cable distribution box using current obtained solely from the coaxial cable line.
31. (Original) The method of claim 30, further comprising:
uploading the work log to the access administration system;
analyzing the work log to determine whether a response is required; and
sending an alert to an appropriate entity if the response is required.
32. (Original) The method of claim 30, further comprising:
continuously monitoring the cable distribution box to determine the status.
33. (Original) The method of claim 30, further comprising:
unlocking the cable distribution box when access has been granted.
34. (Original) The method of claim 30, wherein the access request is encrypted.
35. (Original) The method of claim 30, wherein the access administration system comprises at
least one selected from the group consisting of access administration hardware, access
administration software, and firmware.
36. (Original) The method of claim 30, wherein access to the cable distribution box is granted
by an access control system.

37. (Original) The method of claim 36, wherein the access control system comprises at least one selected from the group consisting of access control software, access control hardware, and firmware.
38. (Currently Amended) The method of claim 36, wherein ~~the access administration system, and~~ the access control system ~~[[are]]~~ is powered using current obtained from ~~[[a]]~~ the coaxial cable line operatively connected to the cable distribution box.
39. (Currently Amended) An apparatus for accessing a cable distribution box, comprising:
means for obtaining authentication information from an authentication medium;
means for sending an access request over at least a portion of a cable network infrastructure to an access administration system using current solely obtained from a coaxial cable line operatively connected to the cable distribution box, wherein the access request comprises the authentication information;
means for verifying the access request;
means for generating a work log associated with the access request; and
means for electronically unlocking the cable distribution box when the access request is verified using current solely obtained from the coaxial cable line.